



Freshman Elections

Freshman caucuses held this week-end determined opposing slates for the forthcoming elections. Heading one slate is William Pennisi, and the presidential candidate for the other is Merrill L. Ebner.

Running with Pennisi will be Betty Ann Ferguson for Secretary-Treasurer, and Gilbert D. Gardner and Daniel A. Pichulo for Institute Committee. Ebner's running mates will be Richard M. Jaffe for Secretary-Treasurer, and Bennett Sack and Edward C. Levy, Jr., for Institute Committee.

Course XV Graduate Convicted Of Spying By Hungarian Court

"Espionage in the technical field is my specialty," said a Technology alumnus at his trial for spying for the United States against Hungary. Thirty-eight-year-old Robert Vogeler, '37, continued on to say that he had been instructed to obtain special information concerning radar, rockets, oil and uranium deposits.

The former Course XV man has been sentenced to fifteen years imprisonment by the Hungarian People's Court in what has become one of the most baffling trials of recent years.

Heliplane Soon Ready For Sale

Developed by Professor Otto Koppen of the Institute and his associate, Dr. Lynn Bollinger of the Harvard Business School, the Heliplane which displayed its revolutionary flight characteristics on Briggs Field early in the term will shortly be available to the general public.

Aeronca Aircraft Corporation and the Heli Aircraft Corporation revealed that application had been made to the Civil Aeronautics Administration for an approved-type certificate which will enable the plane to be sold commercially.

Slow Take-Off and Fast Flight

Featuring slow take-offs and landings without the usual reduction in conventional flying speeds, initial four-place models of the craft will be produced at the Norwood Airport site of the Heli firm. Mass production of component parts will take place in the Middletown, Ohio, plant of the Aeronca firm as soon as C.A.A. certification is assured.

Safety devices on the heliplane insure stall-proof, spin-proof flight. (Continued on Page 4)

Air Force Officers To Interview Men For Flying Careers

Air Force officers will be at the Institute for the first four days of next week to interview students interested in flying careers.

At their headquarters in Room 7-202, Captain Edward Helm and Lieutenant Norman Kelly will explain career opportunities, assist those interested in filling out application forms, and give qualifying examinations to those seeking cadet pilot or navigator training.

Commissioned Second Lieutenants

The Aviation Cadet Pilot Training Program trains young men to fly the new postwar types of aircraft. Graduates of the one-year course, which combines flying, academic and military training, receive Reserve Commissions as second lieutenants and are assigned as rated pilots to active duty with the Air Force.

Aviation trainees will be taught latest methods of radar navigation in a one year course which includes 184 hours of instruction flying classrooms. Graduates of this course are also commissioned as second lieutenants.

be eligible, men must be citizens between the ages of 17 and 26. They must have completed two years or more of college and meet high physical and moral standards.

Men who for any reason fail to complete any of the Air Force training programs are referred to civilian life.

Transferred from Naval Academy

Vogeler's wife has pointed out several mistakes in his testimony. One mistake occurred when he said he had attended Boston University. Actually he graduated from Technology after transferring from the United States Naval Academy.

Another error was noticed when he claimed he had been spying for the U. S. government since 1942. According to his wife, he was working in La Grange, Illinois, at that time and didn't go to Europe until 1945.

Vice-President of I. T. and T.

At the time of his arrest, the New York-born engineer was one of the youngest vice-presidents of International Telephone and Telegraph Company.

Although a member of the automotive Engineering Society, Vogeler was not very active in extracurricular activities at the Institute. Perhaps this was because he did not enter Technology until his junior year.

Weisner Gives Communications Talk; Apparatus Noise Problems Discussed

In a Society of Arts lecture held Friday and Sunday, Professor Jerome B. Wiesner of the Electrical Engineering staff spoke of recent developments in the field of communications. After outlining the old theory of pure tone, he dwelt briefly on the advancements that Dr. Shannon of Bell Laboratories and Professor Wiener of M.I.T. have made in the communications field.

Professor Wiesner first discussed the sinusoidal wave that pure tone describes. Pure tone is known to be distorted, however, whenever noise is introduced. The noise, he explained, comes from collision of electrons with the plate of an amplifying tube, which must be used to build up the current for telephone conversations over long distances.

Amplifier Noise

Noise introduced by the amplifier caused some of the intelligence of the transmission to be lost. This

Liepmann To Perform As Violinist In Trio In Humanities Series

Klaus Liepmann, Director of Music at Technology, will be among the artists in the Humanities Series concert to be presented on Thursday, March 23, at 8:30 p.m. in Huntington Hall. Student tickets for this, the fourth of a series sponsored by the Division of Humanities, may be obtained in the information Office.

Mr. Liepmann is the violinist of a trio which includes Willem Valkenier, principal of the French horn section of the Boston Symphony, and Gregory Tucker, pianist and instructor in music here and at Harvard.

On the program will be music by Beethoven, Hindemith, Ravel and Brahms.

Dean Baker Leaves For Swiss Meeting

"It is good for me as an officer of M.I.T. to have direct contact with student organization," stated Dr. Everett M. Baker, Dean of Students, who is leaving for Europe today to attend the annual board meeting of the International Student Service, March 23-26, in Geneva, Switzerland.

Dean Baker will spend a few days in Oxford and London, England. While in England he will have a conference with the British Student service representative and visit his sister and friends in Oxford. He will return to the U. S. about March 30.

International Student Service has national organizations in many European and Asiatic countries. The American organization is the World Student Service Fund which is very active at the Institute.

SOCIETY

All those interested in having their name placed on a list for the society parties announced in last week's **THE TECH** should contact Joseph A. Sabo '52, Goodale 509. All those who previously applied should check to see that their name is on the list.

loss is not very serious since the ear cannot detect it.

Development of radar caused scientists to look for a new theory of transmission because noise in radar beams was extremely damaging to the accuracy of the instrument. Signals given to the anti-aircraft guns for example were not adequate to locate the enemy and a new theory was developed to combat noise. Named the probability theory it used a "binary decision" which gave only two signals—yes or no. Interference did not decrease efficiency in this new system.

Thief Apprehended In Bldg. 3 Corridor Chase

Five policemen ran through Building 10 last Friday afternoon at about 1:10. They dashed into Room 3-103, the office of Dean John Bunker. This reporter was right behind them.

I quickly found out that a nineteen-year-old youth had been caught going through the overcoat of Lauren P. Neal, a technical assistant at the Institute. The overcoat had been hanging in Room 3-403. After a short chase down the corridor, Neal had stopped the alleged criminal, who was identified as William Kennedy.

Neal and a friend had taken Kennedy to Dean Bunker's office where Miss Evans, the Dean's secretary, called the police officers. Since Friday is payroll day at the Institute, three extra Cambridge policemen were on duty.

Kennedy, myself and several other innocent bystanders were all rushed off to Cambridge Police Station. After the somewhat harrowing experience of passing through a police lineup, we all went home except Kennedy.

Ford, Moreland, Five Others Announce Spring Retirement

Dean Baker Leaves For Swiss Meeting

Cosmogony Will Be Topic Of Dr. Gamow In Mar. 17 Lecture

Dr. George Gamow, noted author and physicist, is coming to the Institute Friday, March 17, under the sponsorship of the Lecture Series Committee to speak on "Origin and Evolution of the Universe." The lecture, which is to be supplemented with slides, will be in Room 10-250 at 5 p.m.

In his popular and widely read books, Dr. Gamow has explained for the layman such subjects as entropy, relativity, and the expanding universe. Among his books are *Mr. Tompkins in Wonderland*, *Biography of the Earth*, *The Birth and Death of the Sun* and *One, Two, Three . . . Infinity*.

Sun Growing Hotter

In addition to lecturing to students and writing books on science which read like detective stories, Dr. Gamow has played a leading role in research and has made major contributions in the field of nuclear physics as well as astronomy. He has shown that the sun is imperceptibly growing hotter and will continue to increase in brightness for the next ten billion years.

In addition to this, he has advanced theories about the "neutrino," an uncharged particle with a mass one five-hundredth that of an electron.

At present, the Russian-born physicist is Professor of Theoretical Physics at George Washington University, where he has been teaching since 1934.

Rifleman Win In N.E. Semifinals; Try For Top Honors Saturday

League Semi-Finals

The varsity rifle team added another victory to its impressive record when it easily outscored teams from northern New England in the league semi-finals in Boston on Saturday.

The Engineers fired a 1392 in the match, while their nearest competition, Norwich University, had a 1365. The University of Vermont placed third with 1352. Harvard, Dartmouth, and the University of New Hampshire followed with scores of 1334, 1325 and 1305 respectively.

Herb Voelcker, who had been away on a cooperative program during the first term, returned to his form of last year to capture high individual honors with a hot 286 out of a possible 300. Brooks of New Hampshire was second high with a 282. Dud Hartung and Robbie Robertson added materially to the Beaver victory with a pair of solid 279's. Arthur Auer and Kyle Worley rounded out the score with respective scores of 276 and 272.

Next Saturday will find the rifleman firing two matches. In the morning they will meet a visiting Columbia University team, and in the afternoon they will seek the championship in the New England League finals. Although firing two matches in one day is not a common undertaking, the Engineer team has already met a similar occasion with success, firing the three highest scores in its history within one twenty-four hour period.

Institute Loses Brilliant Group

On Sunday the Institute announced retirement of two corporation members. Horace S. Ford, Institute treasurer, Dr. Edward L. Moreland, executive vice president, will leave Technology in July. Also retiring are Ralph G. Hudson, Dr. Frederick G. Keyes, Dr. Donald S. Tucker, Dr. Victor O. Homerberg, and Dr. Frederick K. Morris.

Before becoming treasurer in 1934, Mr. Ford was principal financial officer here and assistant cashier of the Old Colony Trust Company. Although he has become very prominent in Boston financial affairs since then, he has spent much of his time as unofficial adviser for student activities at Tech.

Awarded Medal of Merit

Dr. Moreland, former Dean of Engineering, has been executive vice president since the end of the war. For his services in World War II, he has been awarded the Medal of Merit by President Truman.

Alumnus Hudson is well known for his work on the *American Handbook for Electrical Engineers*, of which he was associate editor, as well as for other publications. He is presently in charge of the course in general science and general engineering.

Low Temperature Research

Dr. Keyes has been awarded numerous medals for contributions in low temperature research and other achievements in physical chemistry. He has been associated with the Institute for forty years.

The department of economics at both Wellesley and Tufts were headed by Professor Tucker until he came to the Institute. He has been associated with numerous Cambridge charitable drives.

Authority on Steel Alloys

Metallurgy problems of aircraft engines, tanks, and other related problems have been investigated by Dr. Homerberg. Although chemistry was his first interest, he soon transferred his energies to metallurgy, especially steel alloys.

Dr. Morris, professor of geology, is an outstanding authority on the geological structure of Asia. Besides studying in China, Nova Scotia, France, and England, he accompanied the Asiatic Expedition of the American Museum of Natural History in the early 1920's.

WMC COMPETITION

Freshman competition for Walker Memorial Committee will begin with a smoker in Litchfield Lounge at 5 p.m., Thursday, March 16. Only freshmen are eligible.

Bosniak, Bacastow, Vance Appointed to Junior Board

The recent resignations from *The Tech* of Leo Sartori '50, Sports Editor, and John R. Sevier '51, News Editor, have created several staff vacancies. The following men have been appointed to new positions: Morton A. Bosniak '51, Sports Editor; Robert B. Bacastow '52, News Editor; Rodger K. Vance '52, Associate News Editor.

The Tech

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CALENDAR OF EVENTS

MARCH 15 TO MARCH 21, 1950 WEDNESDAY, MARCH 15

Faculty Meeting. Huntington Hall, Room 10-250, 3:05 p.m.
 Building Engineering and Construction Department. Construction Lecture Series: "Functioning of a Building Trades Council." Peter Eller, Chairman, Board of Governors, Building Trades Employers Association, New York City. Room 1-190, 4:00 p.m.
 Mathematics Department. Lecture series: "Cohomology of Polynomial Ideals and Applications to Topology." Professor C. Chevalley of Columbia University. Room 2-229, 4:00 p.m.
 Metallurgy Department. Colloquium: "Research on Wear and Friction." Dr. John T. Burwell, Jr. Room 2-390, 4:00 p.m.
 Catholic Club. "The Christopher Movement." Reverend Richard R. Ryan. Room 6-120, 5:00 p.m.
 Institute of Aeronautical Sciences. Moving pictures on flying wings and missiles. Room 1-190, 5:00 p.m.
 Mathematics Society. "Finite Differences and Applications." Dr. Francis B. Hildebrand. Room 4-370, 5:00 p.m.
 Pershing Rifles. Business meeting. Room 24-109, 5:00 p.m.
 Richard C. MacLaurin Lodge, A.F. and A.M. (The Tech Lodge). Meeting, 5:00 p.m.; dinner, 6:30 p.m. Masonic Temple, 1950 Massachusetts Avenue, Cambridge. All Masons at M.I.T. are cordially invited.
 Tech Model Aircrafters. "Glider Design." Lloyd M. Licher. du Pont Room, Building 33, 5:00 p.m.
 Technology Christian Association. Annual meeting and installation of new cabinet. Campus Room, Graduate House, 6:00 p.m.
 Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "The Second Virial Coefficients and Force Constants of Krypton and Xenon." Dr. James A. Beattie. Harvard University, Mallinckrodt B-23, 8:00 p.m.

THURSDAY, MARCH 16

Technology Dames. Excursion to Connick Stained Glass Company. Meet at Massachusetts Avenue entrance of M.I.T., 2:00 p.m.
 Physics Department. Colloquium: "Some Recent Experiments in Cosmic Rays." Dr. Bruno B. Rossi. Room 6-120, 4:30 p.m.
 Hillel Foundation. Discussion group. Crafts Library, Old Senior House, 5:00 p.m.
 M.I.T. Concert Band. Joint concert with Tufts College. Cousin's Gym, Tufts College, 8:30 p.m.

FRIDAY, MARCH 17

Mechanical Engineering Department. Seminar: "Theory of Similitude as Applied to Machines." Dr. Pei-Moo Ku. Room 3-470, 4:00 p.m.
 Coffee will be served at Headquarters from 3:30 to 4:00 p.m.
 Lecture Series Committee. "Origin and Evolution of the Universe." Dr. George Gamow, Professor of Theoretical Physics, George Washington University. Room 10-250, 5:00 p.m.
 The Graduate School. Spring dance. Music by Jay Louis. The Princess Ballroom, Hotel Somerset, 8:00 p.m. to 1:00 a.m.
 Tech Show 1950. Musical comedy entitled "Stranger in Town." Cambridge High and Latin Auditorium, 8:30 p.m.

SATURDAY, MARCH 18

Modern Languages Department. Graduate language examinations: German, 10:00 to 12:00 a.m.; French and Russian, 2:00 to 4:00 p.m. Room 1-245.
 Westgate Cooperative Nursery School. Moving pictures for children who must be accompanied by an adult. Room 10-250, 10:30 a.m. Proceeds will benefit nursery school.
 Nautical Association. "Yacht Racing Tactics." Walter C. Wood. "The East America's Cup Races," colored moving pictures presented by Frank H. Conant. Room 10-250, 2:00 p.m.
 Tech Show 1950. "Stranger in Town." Cambridge High and Latin Auditorium, 8:30 p.m.
 Walker Memorial Student Staff. Informal dance. Morss Hall, Walker Memorial, 8:30 p.m.

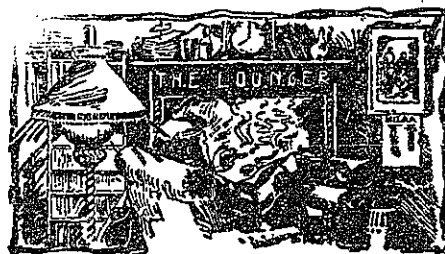
MONDAY, MARCH 20

Technology Matrons. The Book Club. Mrs. Archibald W. Adkins will give her Beethoven-Debussy program. Emma Rogers Room, 2:45 p.m.
 Mechanical Engineering Department. Film showing: "Steam for Power." Room 1-390, 4:00 p.m.
 Meteorology Department. Seminar: "Standing Mountain Waves." Dr. Joachim Kueftner, Air Forces Research Laboratory, Cambridge. Room 12-182, 4:00 p.m.
 Physics Department, Spectroscopy Laboratory, Research Laboratory of Electronics, and Laboratory for Nuclear Science and Engineering. Third of a series of ten lectures by Professor Hans Kopfermann of the University of Goettingen. Room 4-231, 4:30 p.m.
 American Institute of Electrical Engineers—Institute of Radio Engineers. "Some General Considerations in Audio System Design." John A. Kessler. Room 6-120, 5:00 p.m.
 Economics and Social Science Department. Graduate Economics Seminar: "The Impact of Personality on History." Lewis Mumford, distinguished social historian and authority on architecture and city and regional planning. Library Lounge, Hayden Memorial Library, Room 14E-304, 8:00 p.m.
 Technology Dames. "UNESCO and International Relations Problems." Mrs. William W. Buechner. Room 2-190, 8:00 p.m.

TUESDAY, MARCH 21

Technology Matrons. The Bridge Group. At the home of Mrs. Ruth Harris, 48 Fairmount Street, Belmont, 1:00 p.m.
 Acoustics Laboratory and Civil and Sanitary Engineering Department. The second of three joint seminars on the Chemical, Biological and Medical Applications of Ultrasonics: "The Mechanism of Ultrasonic Action on Biological Specimens." Dr. T. F. Hueter. Room 4-370, 4:00 p.m.

(Continued on Page 4)



With the advent of the first signs of spring, crew takes to the water, and brings to mind a little incident that befell the B.U. crew a couple of weeks ago. It happened just a few days before our own oarsmen began chopping the ice away from our side of the river. The Charles Sewer was fairly free of ice on the Boston side, and B.U. grabbed the first opportunity to start practicing. Eagerly, they clambered into their shell, oblivious to the penetrating wintry winds, paddled up and down the river and headed back to the dock with the righteous air of the proverbial early bird. Then, in a triumphant burst of spray, they sloshed into the landing, stood up to disembark—and with another triumphant burst of spray, fell en masse into the Charles—kerplunk! We're glad the only damage done was to the egos of our rival crew, but the boys at the Tech crew house got a big laugh out of it.

★ ★ ★ ★

There was quite a party in Bemis last Wednesday night. Great quantities of beer brought out the best renditions of all the old familiar drinking songs. But above the voices of the carefree students could be heard one that definitely outsang the rest. It was none other than Professor Hans Mueller, who had found time to get away from the mysteries of Physics and come over and imbibe with the rest of the fellows.

★ ★ ★ ★

Sounds in the Night: The other night, while a friend of ours was busy announcing the last few minutes of the WMIT broadcasting day, several of his buddies, in search of some harmless occupation, found his door unlocked. This, of course, is unwise when there are strangers around, but just plain foolish when your friends are around. The announcer returned to his dorm room eventually, grasped his doorknob, and found himself supporting the door as an independent system in space. But this was hardly strange considering that the pins had been taken out of the hinges, and the door to the adjoining room was in similar condition. The door between the two rooms was missing completely, and was subsequently found resting comfortably under the unfortunate gentleman's mattress. The pins themselves had been scattered in Easter-Egg fashion about the rooms, and the announcer spent the better part of his sleeping time finding them, all the while muttering dire oaths. The "Buddies" then added insult to injury by parading before his doors, lustily singing his name, with variations.



M e n

B R E C K

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Larry's Barbershop
ACROSS FROM MAIN
M.I.T. ENTRANCE

Letters to the Editor

Editor, The Tech
Dear Sir:

Your reprint of an editorial from the Crimson led me to test my ability to picture Moscow, London, and New York faced with various problems. I must confess that most of my efforts failed.

I could not picture Moscow in which washing the family car was prohibited in order to save water during a shortage. Neither could I picture 50% of the families of Moscow temporarily losing their telephone service. I must admit that I could picture these things happening only in New York or some other American city.

Never could I picture the transport system of Moscow tied up by a strike. The only harm that I could envisage coming from a strike in Russia is that which would come to a worker who suggested having one.

Picturing a dissatisfied transport worker in London changing his job is as difficult for me to do as it is for the worker to obtain government permission to make the change. Even more difficult for me is the task of imagining New York City dependent upon the gifts and "loans" of a foreign nation to buy food for its people. Applying the same situation to London did not even require my imagination.

It is indeed regrettable that the municipally owned and operated water supply system of New York City is temporarily inadequate. Strikes—coal, transport, telephone and others—are also to be regretted, but these unfortunate events resulting from unintelligent acts of companies or unions, do not seem to me sufficient cause for replacing private enterprise with bureaucratic control.

The problems hinted at in the Crimson editorial and in this letter should be considered in much greater detail than is possible here. I would like to hold a series of informal debates, open to the public, with an advocate of any or all of the programs of socialism or of the so-called "welfare state."

Sincerely yours,

James E. Stuart, President
M.I.T. Young Republican Club

Fraternity Findings

By JIM STOLLEY

The Sigma Nus held their annual White Rose Formal at the Kenmore Hotel last Saturday night. Chappie Arnold and his orchestra furnished the music for the dance. During intermission, Bob Wilbur and his band played some really hot Dixieland jazz. Wilbur is no stranger in Boston, having played several long engagements at the Savoy on Massachusetts Avenue. Dirk deVries, Sigma Nu social chairman, was in charge of the formal.

D.U. Carnival

The Delta Upsilon's annual Carnival supplied the weekend's ration of laughs. Larry Mayer and his social committee decorated the house to resemble a carnival midway. In the entrance, a strategically placed air jet operated with unexpected success. The first floor was divided into booths where guests could pitch pennies, shoot popguns, toss rings, and even throw balls (the ping pong type) at an obliging member's head.

S.A.E. Tried

SAE's from three chapters descended upon the Copley Plaza last Friday night for their annual formal. Tech men rubbed shoulders with Harvard (that's right) and B.U. students.

Everyone enjoyed the dance with the possible exception of the bass fiddle player in the band. He spent the evening dodging an irrepressible Harvard student, who was intent upon shooting him with a high powered water pistol.

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THEN, just take a puff—DON'T INHALE—
and s-l-o-w-l-y let the smoke come through
your nose. Easy, isn't it? And NOW...

2..light up your present brand

Do exactly the same thing—DON'T INHALE
Notice that bite, that sting? Now YOU know
why you should be smoking PHILIP MORRIS!



CALL FOR **PHILIP MORRIS**

Tech Fencers Beat BU,
Compete Saturday For
Eastern Championships

A scrappy Boston University squad fell victim to the M.I.T. fencing team by a 14½-12½ score last Friday afternoon. The victory was the fifth of the season for the Beavers out of a total of nine starts. Tech won both the foil and saber events by 5-4 scores, but was tied 4½-4½ in the epee event by the Terriers.

The outstanding fencers of the day for the Beavers were foilman Tony Mirti and saberman John Lowry who made a clean sweep, each winning all three of his bouts. Peter Ney, Tony de Alteriis and Al Zeziger came through with two victories apiece. Fred Rayfield garnered one decision and gained a split in another, and Charley Kurz captured one more important bout.

INTRAMURAL
SOFTBALL

All living groups that are interested in entering a team in the Intramural Softball tournament are requested to get in touch with the Softball manager at the A. A. office by Monday, March 20. The Intramurals will get under way about a week after spring recess.

TRIB

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Performances at NEW ENGLAND MUTUAL HALL
FRIDAY AND SATURDAY EVENINGS — MARCH 17 and 18

Pucksters Tie Alumni
6-6 At Boston Arena
In Thrilling Contest

Last Sunday afternoon in the Boston Arena the Tech Pucksters battled an MIT Alumni team to a 6-6 tie. The game was closely contested right down to the final whistle with both teams showing plenty of spirit and fight.

The Techmen took an early 3-2 lead in the first period but the Alumni came fighting back in the second with 4 tallies to take the lead by a 6-5 score. In the 3rd period Chisholm, the high scorer of the game, netted the second of his two goals to tie the count. Both teams tried vainly to score another tally before the game ended but their efforts were frustrated by superb defensive play.

Pistol Team Loses

Last Saturday afternoon at New London the Tech pistol team went down to defeat by a 1366 to 1239 count at the hands of Coast Guard squad, rated the best in the country.

The pistol team's next meet will be at Mass. State this Saturday.

Brown Upsets Williams, Bowdoin
For New England Swimming Crown
Williams Takes Wrestling Tourney

Senior Cindermen
Win School Meet;
Three Records Set

The Class of 1950 maintained its supremacy in interclass track competition last Saturday topping its nearest rival, the class of '51, 69-53½. The Freshmen took third place with 42½ points, while the class of '52 picked up only 27.

Score:
45 yard high hurdles: 1st, Anderson, '51; 2nd, Spangler, '51; 3rd, Roth, '50; 4th, Munro, '53; 5th, Fawcett, '52. Time: 6.2.
50 yard dash: 1st, Dell 'Isola, '50; 2nd, White, '53; 3rd, Anderson, '51; 4th, MacMullen, '50; 5th, McKee, '51. Time: 7.3.
60 yard low hurdles: 1st, Anderson, '51; 2nd, Spangler, '51; 3rd, McKee, '51; 4th, Whitney, '50; 5th, Roth, '50. Time: 7.3.
300 yard run: 1st, MacMullen, '50; 2nd, White, '53; 3rd, Wanbaugh, '53; 4th, Wooten, '50; 5th, Grenier, '53. Time: 35.0.
600 yard run: 1st, Dell 'Isola, '50; 2nd, Grenier, '53; 3rd, Robinson, '52; 4th, Wooten, '51; 5th, Potter, '53. Time: 1:15.8.
1000 yard run: 1st, Simpson, '50; 2nd, Swanson, '53; 3rd, Grenier, '53; 4th, Vickers, '52; 5th, Towne, '53. Time: 2:27.5.
1 mile: 1st, Belton, '50; 2nd, Vickers, '52; 3rd, Nicholson, '52; 4th, Drysdale, '50; 5th, Switendick, '53. Time: 4:37.5.
Mile and ½: 1st, Nicholson, '52; 2nd, Belton, '50; 3rd, Hunt, '50; 4th, Lobo, '50; 5th, Kay, '52. Time: 7:25.2.
High Jump: 1st, Roth, '50; 2nd (tie), Freeman, '53 and Bjork, '51; 4th (tie), Spangler, '51 and Thompson, '51. Height: 5'-10¼".
Broad Jump: 1st, Segien, '53; 2nd, Thompson, '51; 3rd, McKee, '51; 4th, MacCallum, '51; 5th, Roth, '50. Distance: 29'-5".
Pole Vault: 1st, Thompson, '51; 2nd, Mascola, '51; 3rd, Roth, '50. Only 3 entries. Height: 11'-6".
55 Pound Wt. Throw: 1st, Adams, '50; 2nd, Rothberg, '52; 3rd, Thompson, '51; 4th, Roth, '50; 5th, Nicholson, '52. Distance: 50'-10".
Shot Put: 1st, Adams, '50; 2nd, Hooper, '53; 3rd, Childs, '52; 4th, Zurbrigen, '53; 5th, Thompson, '50.
Total score: '50, 69; '51, 53½; '53, 42½; '52, 27.

Engineers Tie For Fifth
Slot As Hansen Places
Second In His Division

Last weekend eight colleges sent their wrestling teams to New London, Conn., to compete in the New England Intercollegiate Championship matches. Williams took first place honors as they successfully defended the trophy that they had taken the year before with a total of 38 points. Springfield was second with 19 points followed by Amherst and Tufts with 18 and 13 markers respectively. Wesleyan and MIT tied for fifth with 9 points and BU and the Coast Guard brought up the rear, both schools registering 8 points.

The only man on the Tech Varsity that could get into the finals and thereby score four of Tech's nine points was John Hansen who got a second place in the 136 pound division. During the last match, Hansen was injured by falling off the mat but was able to continue only to lose by decision.

Tom Callahan took a third place for Tech and Sam Raymond and Hank Ferguson took fourth place honors for the Beavers, to round out the scoring.

In the Freshman championships, Chuck Seymour completed a perfect season by fighting his way to the Championship in the Unlimited weight class. The Beaver Frosh placed fourth in the competition with ten points behind Wesleyan, who took the title with 38 markers.

Beavers Tie For Sixth;
Nine Records Broken
Meet Hotly Contested

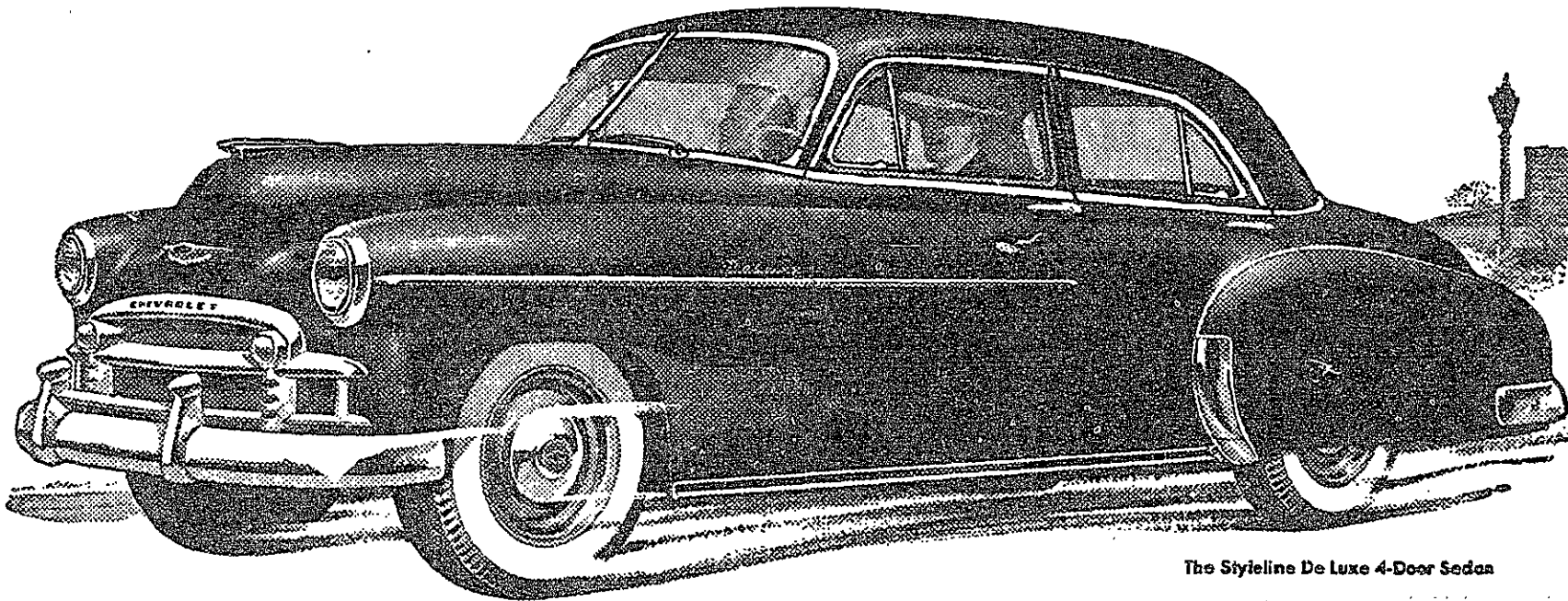
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220 yard freestyle: won by Hill (Bowdoin); 2nd, Reid (Williams); 3rd, Wilson (Brown); 4th, Ingraham, William (Bowdoin); 5th, Stevenson (Amherst). Time: 2:14.1.
50 yard freestyle: won by McGrath (Bowdoin); 2nd, Dolan (Brown); 3rd, Wishart (Bowdoin); 4th, Murray (Williams); 5th, Tate (Amherst). Time: 23.2.
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150 yard backstroke: won by McGrath (Bowdoin); 2nd, Wineman (Williams); 3rd, Vaisler (Amherst); 4th, Lamotte (Williams); 5th, Plummer (MIT). Time: 1:39.6.
100 yard breaststroke: won by Kirscher (Trinity); 2nd, Gray (Brown); 3rd, Thompson (Springfield); 4th, Svenson (Williams); 5th, Candido (Springfield). Time: 2:31.0.
440 yard freestyle: won by Reid (Williams); 2nd, Haley (Tufts); 3rd, Wilson (Brown); 4th, Stevenson (Amherst); 5th, Jacques (Univ. of Mass.). Time: 4:52.5.
500 yard individual medley: won by Ingraham (Bowdoin); 2nd, Malthaner (Springfield); 3rd, Geithner (Amherst); 4th, McNamee (Univ. of Conn.); 5th, Damon (MIT). Time: 3:43.9.
400 yard relay: won by Brown (Barlow, Gray, Dolan, Wilson); 2nd, Bowdoin; 3rd, Williams; 4th, MIT; 5th, Amherst. Time: 3:30.4.

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The Tech

VOL. LXX

TUESDAY, MARCH 14, 1950

NO. 13

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 Night Editor: Rodger Vance '52
 Assistant Night Editor, Carroll Miller '53

CALENDAR OF EVENTS

MARCH 15 TO MARCH 21, 1950

WEDNESDAY, MARCH 15

Faculty. Meeting. Huntington Hall, Room 10-250, 3:05 p.m.
 Building Engineering and Construction Department. Construction Lecture Series: "Functioning of a Building Trades Council." Peter Eller, Chairman, Board of Governors, Building Trades Employers Association, New York City. Room 1-190, 4:00 p.m.
 Mathematics Department. Lecture series: "Cohomology of Polynomial Ideals and Applications to Topology." Professor C. Chevalley of Columbia University. Room 2-229, 4:00 p.m.
 Metallurgy Department. Colloquium: "Research on Wear and Friction." Dr. John T. Burwell, Jr. Room 2-390, 4:00 p.m.
 Catholic Club. "The Christopher Movement." Reverend Richard R. Ryan. Room 6-120, 5:00 p.m.
 Institute of Aeronautical Sciences. Moving pictures on flying wings and missiles. Room 1-190, 5:00 p.m.
 Mathematics Society. "Finite Differences and Applications." Dr. Francis B. Hildebrand. Room 4-370, 5:00 p.m.
 Pershing Rifles. Business meeting. Room 24-109, 5:00 p.m.
 Richard C. MacLaurin Lodge, A.F. and A.M. (The Tech Lodge). Meeting, 5:00 p.m.; dinner, 6:30 p.m. Masonic Temple, 1950 Massachusetts Avenue, Cambridge. All Masons at M.I.T. are cordially invited.
 Tech Model Aircrafters. "Glider Design." Lloyd M. Licher. du Pont Room, Building 33, 5:00 p.m.
 Technology Christian Association. Annual meeting and installation of new cabinet. Campus Room, Graduate House, 6:00 p.m.
 Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "The Second Virial Coefficients and Force Constants of Krypton and Xenon." Dr. James A. Beattie. Harvard University, Mallinckrodt B-23, 8:00 p.m.

THURSDAY, MARCH 16

Technology Dames. Excursion to Connick Stained Glass Company. Meet at Massachusetts Avenue entrance of M.I.T., 2:00 p.m.
 Physics Department. Colloquium: "Some Recent Experiments in Cosmic Rays." Dr. Bruno B. Rossi. Room 6-120, 4:30 p.m.
 Hillcl Foundation. Discussion group. Crafts Library, Old Senior House, 5:00 p.m.
 M.I.T. Concert Band. Joint concert with Tufts College. Cousin's Gym, Tufts College, 8:30 p.m.

FRIDAY, MARCH 17

Mechanical Engineering Department. Seminar: "Theory of Similitude as Applied to Machines." Dr. Pei-Moo Ku. Room 3-470, 4:00 p.m.
 Coffee will be served at Headquarters from 3:30 to 4:00 p.m.
 Lecture Series Committee. "Origin and Evolution of the Universe." Dr. George Gamow, Professor of Theoretical Physics, George Washington University. Room 10-250, 5:00 p.m.
 The Graduate School. Spring dance. Music by Jay Louis. The Princess Ballroom, Hotel Somerset, 8:00 p.m. to 1:00 a.m.
 Tech Show 1950. Musical comedy entitled "Stranger in Town." Cambridge High and Latin Auditorium, 8:30 p.m.

SATURDAY, MARCH 18

Modern Languages Department. Graduate language examinations: German, 10:00 to 12:00 a.m.; French and Russian, 2:00 to 4:00 p.m. Room 1-245.
 Westgate Cooperative Nursery School. Moving pictures for children who must be accompanied by an adult. Room 10-250, 10:30 a.m. Proceeds will benefit nursery school.
 Nautical Association. "Yacht Racing Tactics." Walter C. Wood. "The Last America's Cup Races," colored moving pictures presented by Frank H. Conant. Room 10-250, 2:00 p.m.
 Tech Show 1950. "Stranger in Town." Cambridge High and Latin Auditorium, 8:30 p.m.
 Walker Memorial Student Staff. Informal dance. Morss Hall, Walker Memorial, 8:30 p.m.

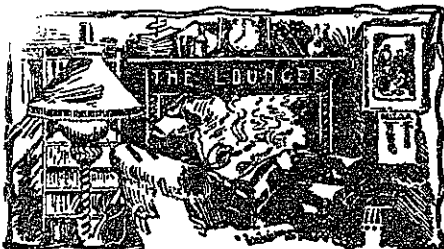
MONDAY, MARCH 20

Technology Matrons. The Book Club. Mrs. Archibald W. Adkins will give her Beethoven-Debussy program. Emma Rogers Room, 2:45 p.m.
 Mechanical Engineering Department. Film showing: "Steam for Power." Room 1-390, 4:00 p.m.
 Meteorology Department. Seminar: "Standing Mountain Waves." Dr. Joachim Kuetner, Air Forces Research Laboratory, Cambridge. Room 12-182, 4:00 p.m.
 Physics Department, Spectroscopy Laboratory, Research Laboratory of Electronics, and Laboratory for Nuclear Science and Engineering. Third of a series of ten lectures by Professor Hans Kopfermann of the University of Goettingen. Room 4-231, 4:30 p.m.
 American Institute of Electrical Engineers—Institute of Radio Engineers. "Some General Considerations in Audio System Design." John A. Kessler. Room 6-120, 5:00 p.m.
 Economics and Social Science Department. Graduate Economics Seminar: "The Impact of Personality on History." Lewis Mumford, distinguished social historian and authority on architecture and city and regional planning. Library Lounge, Hayden Memorial Library, Room 14E-304, 8:00 p.m.
 Technology Dames. "UNESCO and International Relations Problems." Mrs. William W. Buechner. Room 2-190, 8:00 p.m.

TUESDAY, MARCH 21

Technology Matrons. The Bridge Group. At the home of Mrs. Ruth Harris, 48 Fairmount Street, Belmont, 1:00 p.m.
 Acoustics Laboratory and Civil and Sanitary Engineering Department. The second of three joint seminars on the Chemical, Biological and Medical Applications of Ultrasonics: "The Mechanism of Ultrasonic Action on Biological Specimens." Dr. T. F. Hueter. Room 4-370, 4:00 p.m.

(Continued on Page 4)



With the advent of the first signs of spring, crew takes to the water, and brings to mind a little incident that befell the B.U. crew a couple of weeks ago. It happened just a few days before our own oarsmen began chopping the ice away from our side of the river. The Charles Sewer was fairly free of ice on the Boston side, and B.U. grabbed the first opportunity to start practicing. Eagerly, they clambered into their shell, oblivious to the penetrating wintry winds, paddled up and down the river and headed back to the dock with the righteous air of the proverbial early bird. Then, in a triumphant burst of spray, they sloshed into the landing, stood up to disembark—and with another triumphant burst of spray, fell en masse into the Charles—kerplunk! We're glad the only damage done was to the egos of our rival crew, but the boys at the Tech crew house got a big laugh out of it.

There was quite a party in Bemis last Wednesday night. Great quantities of beer brought out the best renditions of all the old familiar drinking songs. But above the voices of the carefree students could be heard one that definitely outsang the rest. It was none other than Professor Hans Mueller, who had found time to get away from the mysteries of Physics and come over and imbibe with the rest of the fellows.

Sounds in the Night: The other night, while a friend of ours was busy announcing the last few minutes of the WMIT broadcasting day, several of his buddies, in search of some harmless occupation, found his door unlocked. This, of course, is unwise when there are strangers around, but just plain foolish when your friends are around. The announcer returned to his dorm room eventually, grasped his doorknob, and found himself supporting the door as an independent system in space. But this was hardly strange considering that the pins had been taken out of the hinges, and the door to the adjoining room was in similar condition. The door between the two rooms was missing completely, and was subsequently found resting comfortably under the unfortunate gentleman's mattress. The pins themselves had been scattered in Easter-Egg fashion about the rooms, and the announcer spent the better part of his sleeping time finding them, all the while muttering dire oaths. The "Buddies" then added insult to injury by parading before his doors, lustily singing his name, with variations.



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Letters to the Editor

Editor, The Tech
 Dear Sir:

Your reprint of an editorial from the Crimson led me to test my ability to picture Moscow, London, and New York faced with various problems. I must confess that most of my efforts failed.

I could not picture Moscow in which washing the family car was prohibited in order to save water during a shortage. Neither could I picture 50% of the families of Moscow temporarily losing their telephone service. I must admit that I could picture these things happening only in New York or some other American city.

Never could I picture the transport system of Moscow tied up by a strike. The only harm that I could envisage coming from a strike in Russia is that which would come to a worker who suggested having one.

Picturing a dissatisfied transport worker in London changing his job is as difficult for me to do as it is for the worker to obtain government permission to make the change. Even more difficult for me is the task of imagining New York City dependent upon the gifts and "loans" of a foreign nation to buy food for its people. Applying the same situation to London did not even require my imagination.

It is indeed regrettable that the municipally owned and operated water supply system of New York City is temporarily inadequate. Strikes—coal, transport, telephone and others—are also to be regretted, but these unfortunate events resulting from unintelligent acts of companies or unions, do not seem to me sufficient cause for replacing private enterprise with bureaucratic control.

The problems hinted at in the Crimson editorial and in this letter should be considered in much greater detail than is possible here. I would like to hold a series of informal debates, open to the public, with an advocate of any or all of the programs of socialism or of the so-called "welfare state."

Sincerely yours,
 James E. Stuart, President
 M.I.T. Young Republican Club

Fraternity Findings

By JIM STOLLEY

The Sigma Nus held their annual White Rose Formal at the Kenmore Hotel last Saturday night. Chappie Arnold and his orchestra furnished the music for the dance. During intermission, Bob Wilbur and his band played some really hot Dixieland jazz. Wilbur is no stranger in Boston, having played several long engagements at the Savoy on Massachusetts Avenue. Dirk deVries, Sigma Nu social chairman, was in charge of the formal.

D.U. Carnival

The Delta Upsilon's annual Carnival supplied the weekend's ration of laughs. Larry Mayer and his social committee decorated the house to resemble a carnival midway. In the entrance, a strategically placed air jet operated with unexpected success. The first floor was divided into booths where guests could pitch pennies, shoot popguns, toss rings, and even throw balls (the ping pong type) at an obliging member's head.

S.A.E. Tried

SAE's from three chapters descended upon the Copley Plaza last Friday night for their annual formal. Tech men rubbed shoulders with Harvard (that's right) and B.U. students.

Everyone enjoyed the dance with the possible exception of the bass fiddle player in the band. He spent the evening dodging an irrepressible Harvard student, who was intent upon shooting him with a high powered water pistol.

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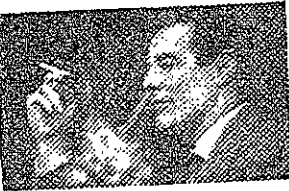
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2..light up your present brand

Do exactly the same thing—DON'T INHALE. Notice that bite, that sting? Now you know why you should be smoking PHILIP MORRIS!



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Tech Fencers Beat BU, Compete Saturday For Eastern Championships

A scrappy Boston University squad fell victim to the M.I.T. fencing team by a 14½-12½ score last Friday afternoon. The victory was the fifth of the season for the Beavers out of a total of nine starts. Tech won both the foil and saber events by 5-4 scores, but was tied 4½-4½ in the epee event by the Terriers.

The outstanding fencers of the day for the Beavers were foilman Tony Mirti and saberman John Lowry who made a clean sweep, each winning all three of his bouts. Peter Ney, Tony de Alteriis and Al Zeigler came through with two victories apiece. Fred Rayfield garnered one decision and gained a split in another, and Charley Kurz captured one more important bout.

INTRAMURAL SOFTBALL

All living groups that are interested in entering a team in the Intramural Softball tournament are requested to get in touch with the Softball manager at the A. A. office by Monday, March 20. The intramurals will get under way about a week after spring recess.

Pucksters Tie Alumni 6-6 At Boston Arena In Thrilling Contest

Last Sunday afternoon in the Boston Arena the Tech Pucksters battled an MIT Alumni team to a 6-6 tie. The game was closely contested right down to the final whistle with both teams showing plenty of spirit and fight.

The Techmen took an early 3-2 lead in the first period but the Alumni came fighting back in the second with 4 tallies to take the lead by a 6-5 score. In the 3rd period Chisholm, the high scorer of the game, netted the second of his two goals to tie the count. Both teams tried vainly to score another tally before the game ended but their efforts were frustrated by superb defensive play.

Pistol Team Loses

Last Saturday afternoon at New London the Tech pistol team went down to defeat by a 1366 to 1239 count at the hands of Coast Guard squad, rated the best in the country.

The pistol team's next meet will be at Mass. State this Saturday.

Brown Upsets Williams, Bowdoin For New England Swimming Crown Williams Takes Wrestling Tourney

Senior Cindermen Win School Meet; Three Records Set

The Class of 1950 maintained its supremacy in interclass track competition last Saturday topping its nearest rival, the class of '51, 69-53½. The Freshmen took third place with 42½ points, while the class of '52 picked up only 27.

Score:

45 yard high hurdles: 1st, Anderson, '51; 2nd, Spangler, '51; 3rd, Roth, '50; 4th, Munro, '53; 5th, Fawcett, '52. Time: 6.2.
50 yard dash: 1st, Dell'Isola, '50; 2nd, White, '53; 3rd, Anderson, '51; 4th, MacMullen, '50; 5th, McKee, '51. Time: 5.5.
60 yard low hurdles: 1st, Anderson, '51; 2nd, Spangler, '51; 3rd, McKee, '51; 4th, Whitney, '50; 5th, Roth, '50. Time: 7.3.
300 yard run: 1st, MacMullen, '50; 2nd, White, '53; 3rd, Wanbaugh, '53; 4th, Wooten, '50; 5th, Grenier, '53. Time: 35.0.
600 yard run: 1st, Dell'Isola, '50; 2nd, Grenier, '53; 3rd, Robinson, '52; 4th, Wooten, '51; 5th, Potter, '53. Time: 1:35.3.
1000 yard run: 1st, Simpson, '50; 2nd, Swanson, '53; 3rd, Grenier, '53; 4th, Vickers, '52; 5th, Towne, '53. Time: 2:27.5.
1 mile: 1st, Belton, '50; 2nd, Vickers, '52; 3rd, Nicholson, '52; 4th, Drysdale, '50; 5th, Switendick, '53. Time: 4:37.5.
Mile and ¼: 1st, Nicholson, '52; 2nd, Belton, '50; 3rd, Hunt, '50; 4th, Lobo, '50; 5th, Kay, '52. Time: 7:25.2.
High Jump: 1st, Roth, '50; 2nd (tie), Freeman, '53 and Bjork, '51; 4th (tie), Spangler, '51 and Thompson, '51. Height: 5'-10½".
Broad Jump: 1st, Segien, '53; 2nd, Thompson, '51; 3rd, McKee, '51; 4th, MacCallum, '51; 5th, Roth, '50. Distance: 20'-5".
Pole Vault: 1st, Thompson, '51; 2nd, Mascola, '51; 3rd, Roth, '50. Only 3 entries. Height: 11'-8".
35 Pound Wt. Throw: 1st, Adams, '50; 2nd, Rothberg, '52; 3rd, Thompson, '51; 4th, Roth, '50; 5th, Nicholson, '52. Distance: 50'-10".
Shot Put: 1st, Adams, '50; 2nd, Hooper, '53; 3rd, Childs, '52; 4th, Zurbrigen, '53; 5th, Thompson, '50.
Total score: '50, 69; '51, 53½; '53, 42½; '52, 27.

Engineers Tie For Fifth Slot As Hansen Places Second In His Division

Last weekend eight colleges sent their wrestling teams to New London, Conn., to compete in the New England Intercollegiate Championship matches. Williams took first place honors as they successfully defended the trophy that they had taken the year before with a total of 38 points. Springfield was second with 19 points followed by Amherst and Tufts with 18 and 13 markers respectively. Wesleyan and MIT tied for fifth with 9 points and BU and the Coast Guard brought up the rear, both schools registering 8 points.

The only man on the Tech Varsity that could get into the finals and thereby score four of Tech's nine points was John Hansen who got a second place in the 136 pound division. During the last match, Hansen was injured by falling off the mat but was able to continue only to lose by decision.

Tom Callahan took a third place for Tech and Sam Raymond and Hank Ferguson took fourth place honors for the Beavers, to round out the scoring.

In the Freshman championships, Chuck Seymour completed a perfect season by fighting his way to the Championship in the Unlimited weight class. The Beaver Frosh placed fourth in the competition with ten points behind Wesleyan, who took the title with 38 markers.

Beavers Tie For Sixth; Nine Records Broken Meet Hotly Contested

Winthrop Wilson, a swimmer from Brown University, gave the fans a real Frank Merriwell finish as he edged out Wyman Ingraham of Bowdoin in the anchor leg of the final relay by about one foot to give Brown a hard earned 44-43 win over Bowdoin and the rest of the field in last Saturday's N.E.I.S.A. finals at Alumni Pool. Williams, defending champ, was third with 39 points followed by Amherst with 21 and Springfield with 12 points. Trinity and MIT tied for sixth with ten points each.

A crowd of better than 500 saw the thrilling climax to a hard-fought meet during which the best swimmers in New England shattered a total of nine records and tied another.

Williams got off to a fast start by taking the 300-yard medley relay nosing out Brown and Amherst in this event. The purple's winning time in this race set a new Alumni Pool record of 3:01.4. Doug Hill of Bowdoin took the 220-yard freestyle event easily after he had set a new pool and N.E.I.S.A. mark of 2:12.5 in the trials on Friday.

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300 yard medley relay: won by Williams (Wineman, Jeffrey, Belash); 2nd, Brown; 3rd, Amherst; 4th, MIT; 5th, Trinity. Time: 3:01.4.

220 yard freestyle: won by Hill (Bowdoin); 2nd, Reid (Williams); 3rd, Wilson (Brown); 4th, Ingraham, William (Bowdoin); 5th, Stevenson (Amherst). Time: 2:14.1.

150 yard freestyle: won by McGrath (Bowdoin); 2nd, Dolan (Brown); 3rd, Wishart (Bowdoin); 4th, Murray (Williams); 5th, Tate (Amherst). Time: 2:32.6.
Fancy dives: won by Taylor (Wesleyan); 2nd, Huddleston (Springfield); 3rd, Wells (Amherst); 4th, Gates (Brown); 5th, Stankuch (Brown). Winning score: 105.667.

100 yard freestyle: won by Hill (Bowdoin); 2nd, Barlow (Brown); 3rd, Dolan (Brown); 4th, Ward (Trinity); 5th, Belash (Williams). Time: 52.3.

150 yard backstroke: won by McGrath (Bowdoin); 2nd, Wineman (Williams); 3rd, Waite (Amherst); 4th, Lammot (Williams); 5th, Plummer (MIT). Time: 1:39.6.

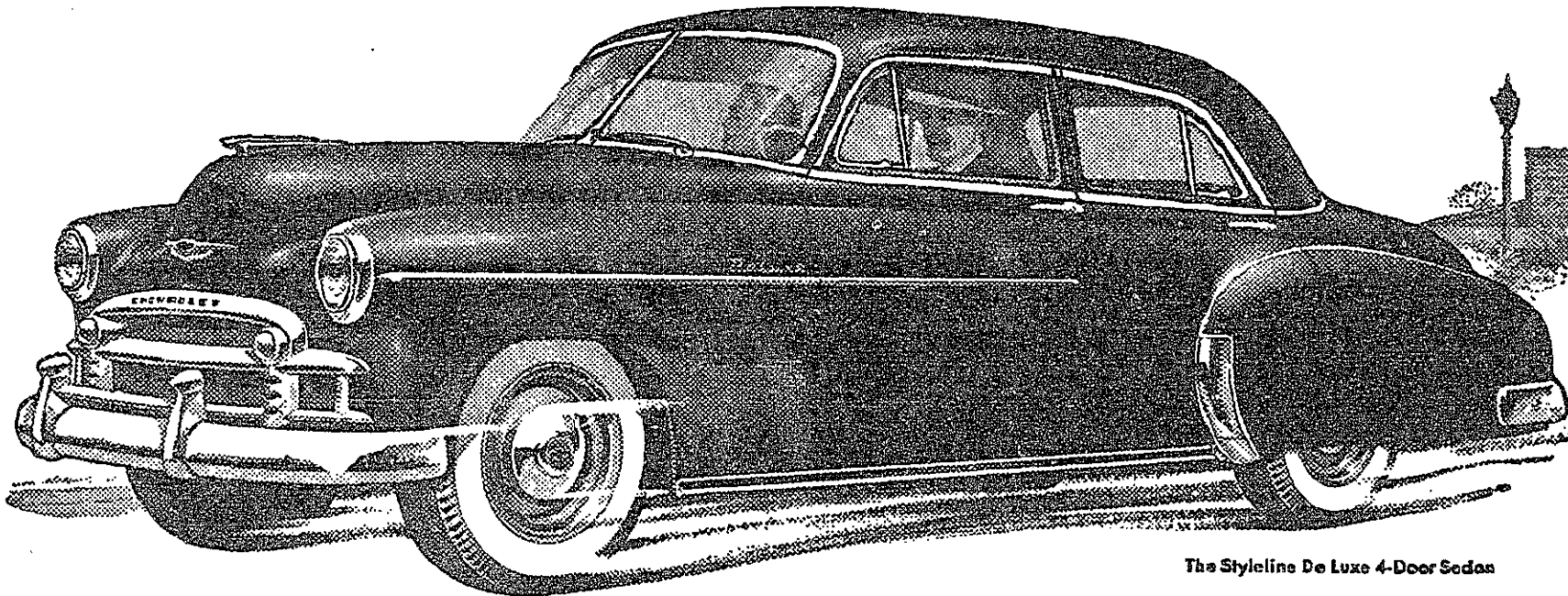
100 yard backstroke: won by Kirschner (Trinity); 2nd, Gray (Brown); 3rd, Thompson (Springfield); 4th, Swanson (Williams); 5th, Candido (Springfield). Time: 2:31.0.

400 yard freestyle: won by Reid (Williams); 2nd, Haley (Tufts); 3rd, Wilson (Brown); 4th, Stevenson (Amherst); 5th, Jacque (Univ. of Mass.). Time: 4:52.5.

300 yard individual medley: won by Ingraham (Bowdoin); 2nd, Maltbarger (Springfield); 3rd, Geithner (Amherst); 4th, McNamara (Univ. of Conn.); 5th, Damon (MIT). Time: 3:43.9.

400 yard relay: won by Brown (Barlow, Gray, Dolan, Wilson); 2nd, Bowdoin; 3rd, Williams; 4th, MIT; 5th, Amherst. Time: 3:30.4.

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Prof. Bear Lectures On X-Ray Diffraction

In a recent lecture sponsored by the Sedgwick Biological Society, Professor Richard S. Bear, Department of Bio-Physics, explained the principles of X-Ray diffraction and its use in Biology. Professor Bear is a pioneer in the field of X-Ray diffraction. This is a newly developed process, for although some experiments were carried out during the first few years of this century little progress was made until the middle thirties.

When an X-Ray is passed through a small specimen of matter the rays are diffracted and will record as a pattern on photographic paper. These patterns can be used to determine the orientation of particles in matter and the identification and analysis of a specimen. Measurements of a particle may also be made.

Professor Bear exhibited an interesting collection of exposures, explaining what each pattern disclosed about the structure of the specimen photographed.

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Calendar

(Continued from Page 2)

English and History Department. "Historical Periods: Their Affinities and Conflicts." (Continued) S. Giedion, Visiting Professor of History. Room 2-190, 4:00 p.m.

Mechanical Engineering Department. Film showing: "Steam for Power." Room 1-390, 4:00 p.m.

Tech Model Railroad Club. Business meeting. Room 20E-216, 5:15 p.m.
Staff Players of M.I.T. Supper meeting. Emma Rogers Room, 10-340, 6:30 p.m.

DIVISION OF HUMANITIES SERIES CONCERT

The final concert of the season will be given by a trio including Willem Valkenier (French horn), who is the principal of the French horn section of the Boston Symphony Orchestra; Professor Klaus Liepmann (violin), M.I.T.; and Gregory Tucker (piano) a member of the faculty of the Longy School of Music and instructor of music at Harvard College and M.I.T. Room 10-250, 8:30 p.m.

CALENDAR OF EVENTS

The Calendar will not be published for the next two weeks, March 22 to April 4. Material for the Calendar, April 5-11, is due in the Office of the Editor, Room 7-204, not later than noon on Thursday, March 30.

PAUL HINDEMITH CONDUCTING HIS OWN CHORAL WORKS PLUS ST. JOHN PASSION OF HEINRICH SCHÜTZ

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Helioplane

(Continued from Page 1)

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